

## Improvements in power assistance vehicle steering mechanisms.

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### Cited documents:

GB1111565  
DE2815498  
DE2747484

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### Abstract of EP0291155

A power assisted vehicle steering mechanism having a rack and pinion assembly, in which the pinion (1) is mounted on a pinion shaft (2) a portion of which is carried in bearings (3,4) for axial rotation within a cage (5), a lever (9) extending from part of the cage, said lever having a seating portion (10) engaging a seat, the rack (7) being urged into engagement with the pinion by a spring (14) which also urges the seating portion of the lever into engagement with the seat, so that movement of the cage due to steering torque effects movement of the lever about the seat to operate power assistance means to augment steering.

Fig.1.

